

Wharton

2021 Soybean Performance Trial

Brand	Variety	GE Trait(s)	Maturity Group	Plant Height (in)	Lodging (%)	Shattering Score	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Progeny	P5252RX	Roundup Ready 2 Xtend Soybeans	5.2	37	0	0	15.2	52.9	73.3
Credenz	5282XF	XtendFlex Soybeans	5.2	37	0	0	14.7	50.1	70.9
University of Missouri	S16-13165	Conventional	4.8	37	0	0	16.6	54.5	65.3
University of Missouri	S18-1307R	Roundup Ready Soybeans	5.1	39	0	1	15.5	51.3	64.3
University of Missouri	S18-6610C	Conventional	5.3	41	0	0	16.0	54.7	63.6
University of Missouri	S16-12774C	Conventional	5.3	36	0	0	16.4	54.2	63.5
University of Missouri	S17-1980C	Conventional	5.3	36	0	0	15.6	53.8	63.4
Dyna-Gro	S52XS39	Roundup Ready 2 Xtend Soybeans with STS	5.2	33	0	0	14.8	52.9	63.4
Garcia Grain	Pamela	Conventional	5.0	40	0	0	15.4	56.8	61.5
Garcia Grain	V-10	Conventional	5.0	35	0	0	15.1	55.3	60.5
Garcia Grain	Linda	Conventional	5.0	40	0	0	15.4	55.1	58.0
University of Arkansas	R15-2422	Conventional	4.7	37	0	0	15.5	52.2	56.4
Dyna-Gro	S49EN79	Enlist E3 Soybeans	4.9	25	0	0	14.9	48.9	55.2
Credenz	4912XF	XtendFlex Soybeans	4.9	36	0	0	16.3	51.5	49.0
University of Missouri	S17-1931C	Conventional	4.7	39	0	0	14.3	52.0	48.6
Dyna-Gro	S52XT91	Roundup Ready 2 Xtend Soybeans	5.2	22	0	0	16.2	53.3	48.2
Asgrow	52XF0	XtendFlex Soybeans	5.2	30	0	0	15.3	51.8	47.2
Progeny	P5003XF	N/A		26	0	0	14.8	52.4	45.1
Dyna-Gro	S49XT70	Roundup Ready 2 Xtend Soybeans	4.9	33	0	0	14.8	49.9	42.9
Asgrow	53XF2	XtendFlex Soybeans	5.3	27	0	0	15.4	50.7	41.4
University of Missouri	S16-12137C	Conventional	4.6	31	0	2	15.2	52.0	40.0

*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked variety. Shattering score is based on a 0-9 scale. 0 = no shattering, 9 = severe.



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

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Asgrow	48XF2	XtendFlex Soybeans	4.8	23	0	0	15.4	52.0	38.3
Asgrow	48XF0	XtendFlex Soybeans	4.8	29	0	0	14.5	51.7	38.2
University of Arkansas	R16-253	Conventional	4.6	29	0	0	15.1	50.6	37.4
University of Arkansas	R15-1587	Conventional	5.1	27	0	0	14.1	50.9	37.0
Dyna-Gro	S48XT40	N/A		25	0	0	15.5	51.3	36.9
Credenz	CZ 4562	N/A		28	0	1	15.4	49.4	36.2
Progeny	P4806XFS	N/A		27	0	0	15.2	49.3	34.7
University of Arkansas	UA46i20C	Conventional	4.6	28	0	0	14.8	52.4	34.4
Progeny	P4821RX	Roundup Ready 2 Xtend Soybeans	4.8	26	0	0	15.4	50.8	30.1

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Agronomic information			Mean	32	0	0	15.3	52.1	50.2
Plant Date	3/26/2021		C.V. %	8.9		152.9	5.8	4.0	10.5
Harvest Date	8/26/2021		P>f (hybrid)	0.000			0.042	0.000	0.000
Irrigated	No		L.S.D.	4.0			1.3	3.0	7.6
Row Spacing (in)	40		Trial Notes						
Number of Rows	2		*4/14: 4 oz/acre Liberate						
Seeds per Acre	140,000		*6/11: 5 oz/ac Sniper + 4 oz/ac Liberate + 8 oz/ac Satori						
Precipitation (in)	42.5		*6/26: 6 oz/ac Sniper + 4 oz/ac Liberate + 6 oz/ac Satori						
Irrigation (in)			Cooperator: Howard Wittig						
Herbicide	1 oz/ac Valor + 1 qt/ac glyphosate applied pre-plant. 16 oz/ac Select + 60 oz/ac Warrant applied 5/11		Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. SAS 9.4 was used for statistical analysis. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.						
Soil Type	Bernard loam		For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505						
Tillage	Conventional, planted on beds		Fertilizer Applied						
Previous Crop	Soybean		Soil Analysis Report**						
			N (lb/ac)		NO3-N (ppm)	7	pH		7.2
			P2O5 (lb/ac)		P (ppm)*	43	Conductivity (umho/cm)		147
			K2O (lb/ac)		K (ppm)*	200	Ca (ppm)*		4,382
			S (lb/ac)		S (ppm)*	3	Mg (ppm)*		319
			Zn (lb/ac)				Na (ppm)*		15

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